First Nations Water Rights in British Columbia

A Historical Summary of the rights of the Sliammon First Nation

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MINISTRY OF ENVIRONMENT, LANDS and PARKS
WATER MANAGEMENT BRANCH

FIRST NATIONS WATER RIGHTS IN BRITISH COLUMBIA:

A Historical Summary of the rights of the Sliammon First Nation

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Gary Robinson
Project Manager
Water Management Branch

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FIRST NATIONS WATER RIGHTS REPORT

BAND: Sliammon Native Council

ADDRESS: R.R. 2, Sliammon Road, Powell River, BC, V8A 4Z3

CHIEF: Chief Denise Smith

PHONE: 483-9646 **FAX:** 483-9769

AFFILIATION: Alliance Tribal Council

LOCATION:

The Sliammon First Nation occupy six reserves located on the west coast, north of the town of Powell River. The reserves range in size from 18.2 to 847.8 hectares and occupy a total of 1,907.2 hectares in lands. They include:

Harwood Island 2	Kahkayakay 6	Paukeanum 3
Sliammon 1	Tokenatch 5	Toquana 4

Of the 6 reserves, water rights have been allocated on:

- **Sliammon Reserve No. 1**: a 778.8 hectare reserve located northwest of the town of Powell River on the east coast of the Strait of Georgia.

The most recent population figures compiled by the Ministry of Finance indicate that the Band has a total population, including registered and non-registered members, living on- and off-reserve, of 788.

The six reserves of the Sliammon Band are located in the Coastal Douglas Fir Biogeoclimatic Zone. This zone dominates the lower eastern coast of Vancouver Island and the lower coastline of the mainland. A mild 'mediterranean' type climate is characteristic of this zone, in which coastal forests are dominated by Douglas Fir. The reserves lie at elevations ranging from sea level to 500 feet above mean sea level, and experience a climate in which average daily temperatures range from lows of 0 degrees centigrade in January, to highs of 20 degrees centigrade in July. Annual rainfall for the area averages between 100 and 250 centimeters.

Water courses of significance include:

- **Kwolann Springs**: located within Sliammon Reserve No. 1.
- **Sliammon Lake**: located northeast of Sliammon Reserve No. 1.

WATER ALLOCATIONS:

There are no records of allocations made by either the Indian Reserve Commission, by Order-in-Council of the Lieutenant Governor in Council, or by Order of the Board of Investigation. Further, there have been no actions to amend, cancel or record as abandoned, licenced rights pursuant to provisions in the *Water Act*.

The water rights of the Sliammon First Nation have been determined by one action of government over the years:

1) The issue of water licences in response to Federal Government applications requesting authorization for the use of water on reserve lands.

HISTORY, CURRENT STATUS AND NOTES:

The history of water rights, the current status of rights, and notes for the Sliammon Band with respect to Kwolann Springs and Sliammon Lake are as follows:

Kwolann Springs:

History:

Aug 30, 1923 — In accordance with an application made by the Department of Indian Affairs on behalf of the Sliammon Band, the Comptroller of Water Rights issued Conditional Water Licence 7085. The licence was assigned a precedence date of December 1, 1922 and authorizes the diversion of 28,000 gallons of water per day from Kwolann Springs, for domestic purpose. The appurtenant lands are specified as that part of the Sliammon Reserve on which are situate dwellings and appendages thereto.

Dec 15, 1931 — Based on the extent to which the rights granted under Conditional Licence 7085 were exercised, the Comptroller of Water Rights issued Final Water Licence 7988, in substitution, to the Superintendent General of Indian Affairs on behalf of the Sliammon Band. The licence was assigned a precedence date of

December 1, 1922 and authorizes the diversion of 28,000 gallons per day from Kwolann Springs for domestic purpose on those parts of the Sliammon Reserve No. 1, on which are situate dwellings and appendages.

Current Status:

There is currently one licence active on Kwolann Springs. Final Licence 7988 is for the use and benefit of the Sliammon Band.

The Water Survey of Canada has no records of streamflow for Kwolann Springs. No alternative sources of water availability data were located during the course of this investigation.

Notes:

1. Under current licencing practices Final Water Licence 7988 would be issued for domestic and waterworks purpose. The amendment of the licence would qualify the Kwolann Springs drainage area for designation as a Community Watershed under provisions contained in the Forest Practices Code.

Sliammon Lake:

History:

Apr 15, 1966 In accordance with an application filed by the Indian Affairs Branch on behalf of the Sliammon Band, the Comptroller of Water Rights issued Conditional Water Licence 30916. The licence was assigned a precedence date of July 8, 1965 and authorizes the diversion of 100,000 gallons of water per day from Sliammon Lake for waterworks purpose. The appurtenant lands are defined as Sliammon Reserve No. 1, New Westminster District.

In support of Conditional Water Licence 30916, Permit Over Crown Lands No. 6088 was granted to the Sliammon Band. The permit authorizes the occupation of Crown Land for the construction and maintenance of works required under Conditional Licence 30916.

Apr 21, 1971 A letter was received from the Sliammon Band stating that the Band Council was concerned with the number of boats using Sliammon Lake and the cumulative effect of the boats on the Band's water supply. In the letter the Council requested that provisions be made in order to protect the supply.

Jun 15, 1972 Subsequent to the submission of the letter regarding the water quality in Sliammon Lake, the Band made an Application for Change of Works requesting the authorization of works which would prevent boats from entering the area surrounding the intake of the Band's water supply.

There is no record of an Order being issued in response to the Band's application.

May 9, 1996 A letter from the Sliammon First Nation expressed concerns that potential forest activity in the Sliammon Lake area would threaten the watershed and quality of water which supplies homes in the area. The Band requested information regarding the quantity authorized under Conditional Water Licence 30916 in order to confirm that the community in the area was still utilizing the Lake as a major source of water supply. The Band further requested that an assessment of forest activity in terms of water quality be carried out.

May 13, 1996 In response to the letter dated May 9th which requested additional water for Conditional Water Licence 30916, the Comptroller stated that under the Water Act the quantity of water that was currently authorized could not be increased. Accordingly, it was suggested that the Band make an application for an additional licence, authorizing the additional water required.

Further information regarding these recommendations and the status of land-use activity in the vicinity of Sliammon Lake was not found on file.

Current Status:

Conditional Water Licence 30916, registered for the use and benefit of the Sliammon Band, is the only licence active on Sliammon Lake.

The Water Survey of Canada has no records of streamflow for Sliammon Lake. No other sources of current water availability information were located during the course of this study.

Notes:

1. Conditional Water Licence 30916 is issued for 'waterworks purpose'. As such the licence qualifies the Sliammon Lake drainage area for designation as a Community Watershed under provisions contained in the Forest Practices Code.

OTHER INFORMATION:

Groundwater Records:

A review of well records maintained by the MELP - Groundwater Section found that five wells have been reported on Sliammon Reserve No. 1. The wells reportedly yield large amounts of water, ranging from 60 gallons per minute to 190 gallons per minute. The extent to which the wells are currently utilized is unknown. Further details are located in Appendix 5 of this report.

As the provision of well information to the Groundwater Section is voluntary, this review should not be assumed to be complete.

Alternate Water Sources:

The proximity of Sliammon Reserve No. 1 to the town of Powell River presents the potential for water supply to this reserve via connection to their municipal water system.

At this time, the potential for water supply from a municipality to the remaining five reserves is limited, as there are no municipal water systems in the proximity of the Reserves.

Summary of Water Rights Records

Sliammon First Nation

Water Source	Priority Date	Reserve Name	File No.	Document Type	Status	Superceded By	Licence PUC/MOD & OIC Allotments	Comments
Kwolann Springs	1922/12/01	Sliammon 1	0044741	CL 7085	Superceded	FL 7988	28,000 GAD/Domestic	
Kwolann Springs	1922/12/01	Sliammon 1	0044741	FL 7988	Current		28,000 GAD/Domestic	FL 7988 - Purpose: Under current licencing practices, would be categorized as 'Waterworks' purpose. Amendment as such would qualify the Kwolann Springs drainage area for designation as a "Community Watershed" under provisions contained in the FPC.
Sliammon Lake	1965/07/08	Sliammon 1	0263377	CL 30916	Current		100,000 GAD/Waterworks	CL 30916 - Purpose: 'Waterworks' purpose qualifies the Sliammon Lake drainage area for designation as a "Community Watershed" under provisions contained in the FPC.

PROVINCE OF BRITISH COLUMBIA. **WATER RIGHTS BRANCH.** DEPARTMENT OF LANDS.

CONDITIONAL WATER LICENCE.

For ....Domestic.... purpose.

Appurtenant to ....that part of the Sliammon Indian Reserve on which are situate dwellings and appendages thereto....

WHEREAS ....The Department of Indian Affairs.... as owner or lawful occupant of the land, mine, or undertaking hereinafter specified has applied for a licence to take and use water in the manner hereinafter set out, and has taken all the steps required of such applicant under the "Water Act, 1914," prior to the issue of this licence, and is, under the said Act, entitled thereto:

Now, therefore, in pursuance of the said Act, this conditional licence is issued, granting the licensee hereunder the right to take and use water under the following terms and conditions:—

(a.) The source of the water-supply is ....Kwolann Springs....

a tributary of ....SLiammon River....

(b.) The point of diversion from the stream is located as shown in the exhibit marked "A" hereto attached, which is incorporated herewith and made a part hereof.

(c.) The date from which this licence and the right to take and use water thereunder shall take precedence is ....1st December, 1922....

(d.) The water is to be used for ....Domestic.... purpose and incidentally for .... purpose.

(e.) The maximum quantity of water which may be used at the place of use is:—

For ....Domestic.... purpose ....28000 gallons a day....

For .... purpose ....

and an additional amount may be diverted to provide against reasonable loss by seepage and evaporation in conveyance from the point of diversion to the place of use.

(f.) The period of the year during which the water may be used is ....the whole year....

....

(g.) The area and description of the lands or mines upon which the water may be used are ....that part of the Sliammon Indian Reserve on which are situate dwellings and appendages thereto....

....

which area and description are more particularly shown in the said exhibit "A."

(h.) The works which are required to be constructed consist of all the works set out in the exhibit marked "B" hereto attached, which is incorporated herewith and made a part hereof.

Superseded by Final Licence—7933

File Number 0 44741 Licence Number 7085

Form 1002, W.R.B.—1,000-11-22—6665. (Conditional Licence—Domestic, Mining, Miscellaneous, etc.)

ORIGINAL

(*i.*) The construction of the said works shall be commenced on or before the ...First.....

day of .....June..... 19...23 and shall be prosecuted with due diligence and in a workmanlike manner and to the satisfaction of the Comptroller of Water Rights.

(*j.*) The said construction shall be completed and the water beneficially used for the purpose

set out in this licence on or before the .....First.....a... day

of .....November....., 19...30

(*k.*) .....

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(*l.*) Before any change is made in the said works which would be a material deviation from the plans as approved or the works as accepted by the Comptroller, plans of such proposed change must be filed with the Comptroller and approved by him.

(*m.*) This licence shall not in any way be deemed to be a final licence for the use of water, but shall have the effect only of a conditional licence issued under Part V. of the "Water Act, 1914," and shall be subject to all the provisions of said Act, including the filing of proof of the completion of the said works and the putting of the water to such beneficial use within the time limited by the provisions of section 117 of the said Act.

Issued this .....30th..... day of .....August....., 19...23

E. H. Cleveland

Comptroller of Water Rights.

7085

File Number...0...44741..... Licence Number.....

N.B.—In order that statements of rentals due the Province shall be sent to the proper party, notice of the date of any change in the ownership of the lands, mines, or undertaking specified in this licence should be filed with the Comptroller of Water Rights by the new owner.

Form 1002, W.R.B.—1,000-9-20. (Conditional Licence—Domestic, Mining, Miscellaneous, etc.)

ORIGINAL

PROVINCE OF BRITISH COLUMBIA. WATER RIGHTS BRANCH. DEPARTMENT OF LANDS.

EXHIBIT "B."

(APPROVAL OF PLANS AND LIST OF WORKS TO BE CONSTRUCTED.)

The works which are accepted as necessary and suitable for the taking and (or) using of the water under the above-mentioned licence, and which are more fully set out in the plans and specifications filed in the office of the Comptroller of Water Rights numbered 293613 B

as altered, amended, or limited by supplemental plans and specifications numbered 300936 D

or in letters or other documents referred to as

which plans and specifications as thus altered, amended, or limited are hereby approved, are as follows:—

Dam and Pipe

File No. 0 44741

ENTERED ON Map No. R.5 (E-3) By

E. Hammond
Comptroller of Water Rights.

Form 901, W.R.B. (Approval of Plans)—2,100-121-2131—(Forming part of Conditional Water Licence No. 7085).

ORIGINAL

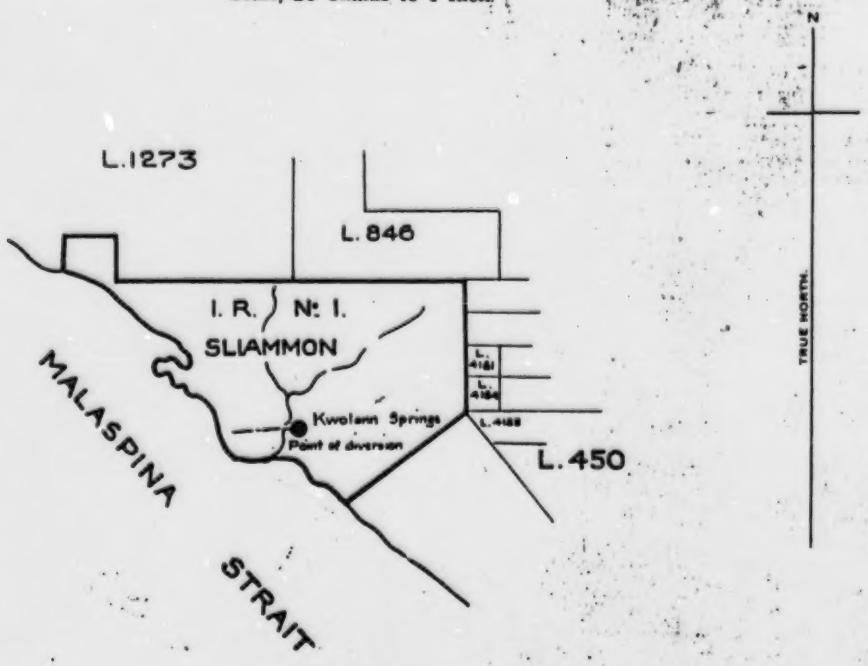
4

British Columbia.

To accompany Conditional Licence No 7085 L. Precinct.

VANCOUVER WATER DISTRICT.

Scale, 80 Chains to 1 Inch.



NEW WESTMINSTER LAND DISTRICT

The boundaries of the land to which this permit is appurtenant are shown shaded.

Signature E. Hellmuth

Date 30 Aug. 1923

EXHIBIT "A"

Ref. Map 8

C.L.7085
File 044741

WATER RESOURCES SERVICE
WATER RIGHTS BRANCH

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Indian Affairs Branch, Department of Citizenship and Immigration of **Ottawa, Ontario**

is/are hereby authorized to **divert and use** water as follows:—

(*a*) The source(s) of the water-supply is/are **Sliammon Lake.**

(*b*) The point(s) of **diversion** is/are located as shown on the attached plan.

(*c*) The date from which this licence shall have precedence is **8th July, 1965.**

(*d*) The purpose for which the water is to be used is **waterworks.**

(*e*) The maximum quantity of water which may be **diverted is 100,000 gallons a day,**

and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(*f*) The period of the year during which the water may be **used is the whole year.**

(*g*) The land upon which the water is to be used and to which this licence is appurtenant is **Indian Reserve No.1 Sliammon, New Westminster District.**

(*h*) The works authorized to be constructed are **intake box, pipe and distribution system,**

and they shall be located approximately as shown on the attached plan.

(*i*) The construction of the said works **shall be commenced on or before the 31st day of October, 1966, and shall be completed and the water beneficially used on or before the 31st day of December, 1969.**

92 F/NE (E.3)
R.M. 82

H. D. DeBeck,
Comptroller of Water Rights.

File No. **0263377** Date issued: **15 April 1966** Conditional Licence No. **30916**

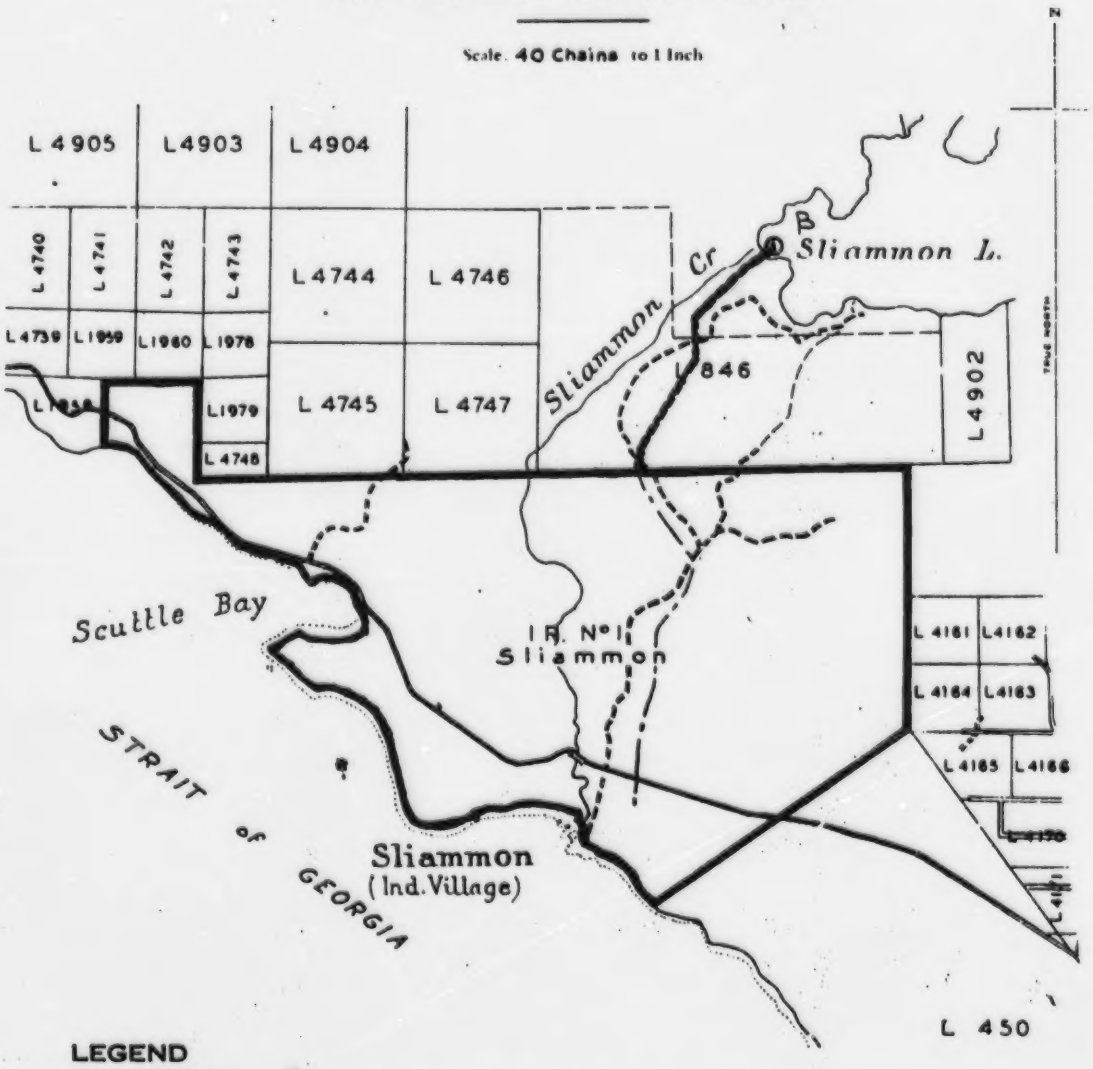
5M-365-3219

British Columbia

VANCOUVER WATER DISTRICT

G.1. NEW WESTMINSTER DISTRICT

Scale. 40 Chains to 1 Inch



LEGEND

Point of Diversion O

Ref. Map ~~92 F/N.E (E-3)~~ 92·F·098

Pipe — · —

Right-of-Way

The boundaries of the land to which this licence is appurtenant are shown thus:

Signature

Date April 15, 1968

C.L. 30916

File 0263377

Permit No. 6088

EXHIBIT "A"

Jervis Precinct

PROVINCE OF BRITISH COLUMBIA.

WATER RIGHTS BRANCH.

DEPARTMENT OF LANDS.

FINAL WATER LICENCE.

(DOMESTIC, MINING, MISCELLANEOUS, ETC.)

WHEREAS THE SUPERINTENDENT GENERAL OF INDIAN AFFAIRS, whose address is Ottawa, Ont.

is the owner of the land, mine, or undertaking to which Conditional Licence No. 7085 was made appurtenant, and is the applicant for this licence; and

Whereas satisfactory proof has been duly filed and it has been shown to the satisfaction of the Comptroller that the terms of the said conditional licence have been complied with satisfactorily, and particularly that the works for the diversion and carriage of the water under the said licence have been completed and that beneficial use of the water has been made thereunder:

Now, therefore, in pursuance of the "Water Act," this final licence is issued, granting the licensee thereunder the right to take and use water under the following terms and conditions:—

(a.) The source of the water-supply is Kwolann Springs, the location of which is ~~sufficiently~~ shown on Exhibit "A" hereto attached.

(b.) The point of diversion from the stream is located as shown in the exhibit marked "A" hereto attached, which is incorporated herewith and made a part hereof, the original of which exhibit is attached to the counterfoil of this licence on file in the office of the Comptroller of Water Rights, Parliament Buildings, Victoria.

(c.) The date from which this licence and the right to take and use water thereunder shall take precedence is 1st December 1922.

(d.) The purpose for which the water is to be used is Domestic.

(e.) The maximum quantity of water which may be used at the place of use is 28,000 gallons a day; and the maximum quantity of water which may be diverted from the stream is 28,000 gallons a day.

(f.) The period of the year during which the water may be used is the whole year.

(g.) The area and description of the lands or mines upon which the water may be used are those parts of the Sliammon I.R. No. 1, on which are situate dwellings and appendages thereto.

which area and description are more particularly shown in the said exhibit "A."

Licence Number 7988

W.R.B. 1021 (1) (Final Licence—Domestic, etc.)—2M-1130-2037

File 044741.

(h.) The works for the diversion and the carriage of the water consist of dam and pipe.

(i.) Before any change is made in the said works which would be a material deviation from the plans as approved or the works as accepted by the Comptroller, plans of such proposed change must be filed with the Comptroller and approved by him.

(j.) This licence shall be appurtenant to those parts of the Sliammon I.R. No. 1, on which are situate dwellings and appendages thereto.

(k.) The nature and extent of the incidental use (if any) permitted under this licence are

but such use shall not enlarge the quantity of water allowed under item (e) above.

(l.) The terms and conditions of this licence shall replace those of the conditional licence hereinbefore referred to.

(m.)

Issued this 15th day of December, 1931.

J. Bruce Ostell

Comptroller of Water Rights.

5 (E 3) Rw MM

Licence Number 7988

W.R.B. 1021 (2) (Final Licence—Domestic, etc.)—2M-1180-2037

File 044741.

ORIGINAL

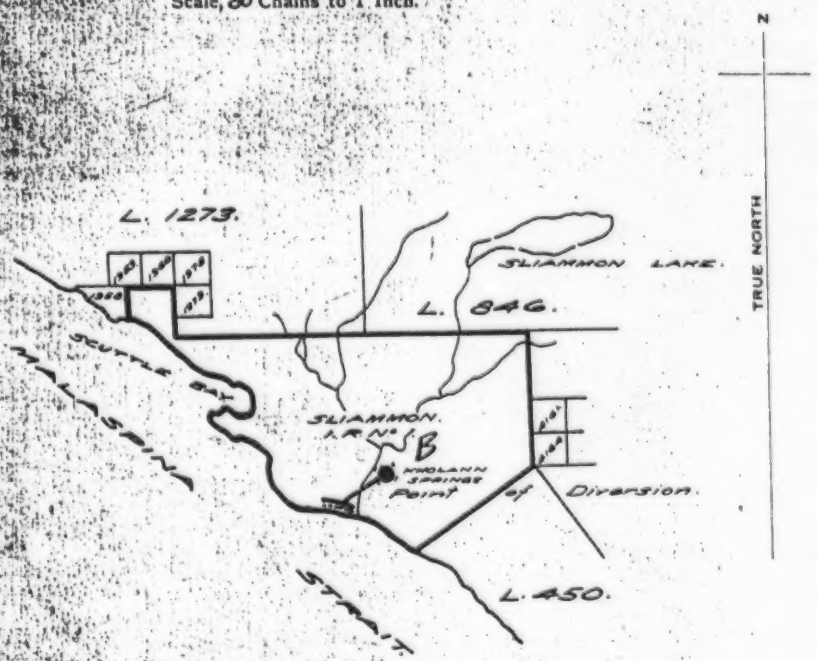
8

British Columbia.

To accompany Final Licence No. 7988

VANCOUVER WATER DISTRICT.

Scale, 80 Chains to 1 Inch.



92. F. 098. 1. 1

NEW WESTMINSTER LAND DISTRICT.

The boundaries of the land to which this licence is appurtenant are shown shaded.

N.G.T.
D.T.H.

EXHIBIT "A"

Ref. Map 5(K-8)
JERVIS INLET

Signature J. Macdonald

Date 15 Dec. 1931

F.L. (7988) for C.L. 7085.

File 044741.

PROVINCE OF
BRITISH COLUMBIA

DEPARTMENT OF LANDS, FORESTS,
AND WATER RESOURCES

PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND

Indian Affairs Branch,
Department of Citizenship & Immigration of OTTAWA, Ontario

the holder(s) of Conditional Water Licence 30916 authorizing

the diversion of water from Sliammon Lake is/are hereby

authorized to occupy Crown land by constructing, maintaining and operating thereon the works authorized by the said water licence and any licences which may be issued in substitution thereof.

(a) The Crown land which is authorized to be occupied under this permit is Parts of Lot 846 and unsurveyed Crown land and of Crown foreshore and land covered by water of Sliammon Lake, Group 1, New Westminster District.

(b) The approximate dimensions of the Crown land authorized to be occupied under this permit are 5,500 feet ± in length and 15 feet in width, having an area of 1.9 acre ±, located approximately as shown on the plan attached to the said water licence.

(c) Subject to the payment of royalty, stumpage, and other compensation as provided under Condition 5, the permittee is authorized to cut and remove from the upland portion of the said land any timber the removal of which is necessary to permit the construction of the authorized works.

(d) The annual rental for this permit is $ 2.00 , which is subject to review and revision at any time at the discretion of the Crown.

(e) This permit is appurtenant to the land to which the aforesaid water licence is appurtenant.

(f) The conditions relative to the rights granted under this permit are printed on the back of this form.

Deputy Minister of Lands.

File No. 0263377

Ref. Map 92 F/NE (E-3)

W.R. Map --

Date issued: 15 April 1966 Permit No. 6088

W.R.D. 12—5M-865-7054

CONDITIONS RELATIVE TO THE RIGHTS GRANTED UNDER THIS PERMIT

1. This permit is issued under the *Water Act*, and the rights hereby granted are subject at all times to the provisions of that Act and all Acts passed in amendment or substitution thereof and to all regulations from time to time made under any such Act.

2. There is reserved to the Crown the right to grant to other persons permits to occupy the land affected by this permit without compensation to the permittee or his successors in title.

3. In the event of any dispute arising at any time between the permittee and any owner of land adjacent to the land affected by this permit with respect to the area or boundaries of the land so affected, the licensee shall at his own expense, when so directed by the Deputy Minister of Lands, have the said land surveyed by a duly qualified surveyor, and shall likewise file with the Department of Lands, Forests, and Water Resources at Victoria, B.C., a plan showing the result of the survey.

4. This permit and the rights granted hereunder are subject always to compliance by the permittee with the terms of his water licence, and if the rights granted under the said licence should at any time be suspended or terminated the rights granted under this permit are thereupon likewise suspended or terminated.

5. The amount of stumpage, royalty, and (or) compensation payable to the Crown by the permittee in respect of trees, including merchantable or young growth, cut, removed, damaged, or destroyed by the permittee, shall be the sum or sums fixed by the Forest Service of the Province of British Columbia.

Stream Register Report Water Licence Information System

Report Requested By : CROCHA
Date Report Requested : 1996/10/02 08:40
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : FD46957 - 92.F.098.1.1 B
END POINT : SO16924 - Kwolann Springs

Stream Register Report | Water Licence Information System | DATE: 1996/10/02 TIME: 09:40 PAGE: 001

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source			MR Map	POD	RED POD Comments				Prec	
1922/12/01	F007988	0044741	IR 01 SLIAMMON GP 1	SLIAMMON INDIAN BAND 987-554-7961 SLIAMMON RD RR2 POWELL RIVER BC V8A4Z3	DOM	28,000.00 GD	Jan 01	Dec 31		
Swolamn Springs			MR93.F.098.1.1	B	N				2ND VAN - JERVIS	

---------- Total of 1 Licence Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : CROCHA
Date Report Requested : 1996/10/02 08:42
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : FD44952 - 92.F.098 B
END POINT : S017024 - Sliammon Lake on Sliammon Creek

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source		MR Map	POD	RED POD Comments					Proc	
1965/07/08	C030916	0263377	I R #1 SLIAMMON GP 1 RMD	SLIAMMON INDIAN BAND 987-554-7961 SLIAMMON RD RR2 POWELL RIVER BC V8A4Z3	WWEOT	100,000.00 GD	Jan 01	Dec 31		
Sliammon Lake		WR92.F.098	B	N					29D VAN - JERVIS	

---------- Total of 1 Licence Reported ----------

MINISTRY OF ENVIRONMENT, LANDS & PARKS

Water Rights Information System

Summary Report (with legal descriptions and old coordinates)

WELL4690 Production

Operator Id SKILLEN

BCGS Map Area	Well No.	Well Tag No.	Lot No.	Plan No.	Blk No.	TP	SC	RG	D.L.	X	Y	Old Well No.	L.D.	Site Address	Date Constructed (dmy)	Well Depth (ft.)	Well Diam. (in.)	Drill Contr No.	Const. Method	Well Yield	Yld. Unit.	Depth to Water (ft.)	Depth to Bedrk (ft.)	Aquif Litho	Screen Interval (ft.)	G.W. Apt	Chem Lab	Chem Fld	Chem Site No.
092F.097.1.3.3	001	0000000044211	129						1173	00	00	001	37		01-01-1980	105.0	8.0	265	DRI	38.0	GPM	75	UNK	UNC	95-105		Y		1401683
092F.097.1.3.3	002	0000000044210	129						1173	00	00	002	37		01-01-1980	91.0	3.5	UNK	OTH			UNK	UNK	UNC	0-91		Y		
092F.097.1.3.3	003	0000000023964							1173	00	00	003	37	SOUTH SHORE	01-09-1970	11.0	0.0	UNK	DUG			UNK	UNK	UNC	0-11				
092F.097.1.3.3	004	0000000023965							1173	00	00	004	37	NORTH SHORE	16-09-1970	16.0	0.0	UNK	UNK			UNK	UNK	UNC					
092F.097.1.3.3	004	0000000023992							1173	00	00	005	37	NORTH SHORE	01-01-1970	4.0	0.0	UNK	UNK			UNK	UNK	UNC					
092F.097.1.3.3	005	0000000023168	11	5295	2				5727	00	18	45	001	37		01-01-1967	30.0	0.0	UNK	DUG			UNK	UNK	UNC				Y	
092F.097.2.1.4	001	0000000020434							5726	00	19	45	001	37	SOUTHVIEW	05-08-1959	45.5	0.0	108	DRI			UNK	45	UNC					
092F.097.2.1.4	002	0000000016098	C						5725	00	19	45	002	37		01-01-1950	5.0	0.0	UNK	DUG			UNK	UNK	UNC					
092F.097.2.1.4	003	0000000070229							5727	00	18	45	052	37		01-01-1950	12.0	0.0	UNK	DUG			UNK	UNK	UNC					
092F.097.2.1.4	004	0000000070038							5727	00	18	45	053	37		01-01-1950	12.0	0.0	UNK	DUG			UNK	UNK	UNC					
092F.097.2.1.4	005	0000000049659							5727	00	18	45	003	37	LUND HWY	03-12-1981	100.0	0.0	135	UNK	7.0	GPM	UNK	33	RED					
092F.097.2.1.4	006	00000L007032							5726	00	19	45	003	37		01-01-1950	16.0	0.0	UNK	DUG			UNK	UNK	UNC				Y	
092F.097.2.1.4	007	0000000070033							5726	00	19	45	004	37		01-01-1950	50.0	0.0	UNK	UNK			UNK	UNK	UNC					
092F.097.2.1.4	008	0000000070034							5726	00	19	45	005	37		01-01-1950	18.0	0.0	UNK	UNK				4	UNK	UNC				
092F.097.2.1.4	009	0000000070035	A						5726	00	19	45	006	37		01-01-1950	67.0	0.0	UNK	DUG			UNK	UNK	UNC					
092F.097.2.1.4	010	0000000070036	A						5726	00	19	45	007	37		01-01-1950	60.0	0.0	UNK	DUG			UNK	UNK	UNC					
092F.097.2.1.4	011	0000000031590							5725	00	19	45	022	37		01-11-1974	100.0	6.0	108	DRI	2.5	GPM	UNK	58	RED					
092F.097.2.1.4	012	0000000040279		38488					5726	00	19	45	028	37	SUNSHINE HWY	01-08-1978	101.0	0.0	135	DRI	50.0	GPM	27	UNK	UNC					
092F.097.2.1.4	013	0000000054930	A	10908		52			5725	00	19	45	029	37	SOUTHVIEW	01-07-1995	128.0	0.0	125	UNK	30.0	GPM	UNK	UNK	UNC					
092F.097.2.2.1	001	0000000056824	26	50046						00	20	45	006	37	SLIAMMON INDIAN RESE	24-08-1982	190.0	0.0	135	UNK	4.0	GPM	UNK	54	RED					
092F.097.2.2.3	001	0000000025936	25	50045						00	20	45	002	37	SLIAMMON RESERVE	26-01-1972	60.0	4.0	108	DRI	5.0	GPM	UNK	24	RED					
092F.097.2.2.3	002	0000000025925	22	50045						00	20	45	003	37	SLIAMMON RESERVE	21-01-1972	100.0	4.0	108	DRI	1.0	GPM	UNK	30	RED					
092F.097.2.2.3	003	0000000025928	20	50045						00	20	45	004	37	SLIAMMON RESERVE	28-01-1972	100.0	4.0	108	DRI	1.5	GPM	UNK	30	RED					
092F.097.2.2.3	004	0000000052584							4748	00	20	45	005	37	WILDE RD	16-08-1983	240.0	0.0	135	UNK	1.0	GPM	UNK	24	RED					
092F.097.2.2.3	005	0000000007045	1	6773					1958	00	19	45	008	37		01-01-1950	18.0	0.0	UNK	DUG				14	UNK	UNC				
092F.097.2.2.3	006	0000000007046	2	6773					1958	00	19	45	009	37		01-01-1950	16.0	0.0	UNK	DUG				UNK	UNK	UNC			Y	
092F.097.2.2.3	007	0000000007047	5	6773					1958	00	19	45	010	37		01-01-1950	14.0	0.0	UNK	DUG				UNK	UNK	UNC			Y	
092F.097.2.2.3	008	0000000007048	3	6773					1958	00	19	45	011	37		01-01-1950	12.0	0.0	UNK	DUG				UNK	UNK	UNC				
092F.097.2.2.3	s09	0000000007049	4	6773					1958	00	19	45	012	37		01-01-1950	28.0	0.0	UNK	UNK				11	UNK	UNC				
092F.097.2.2.3	010	0000000007050	A	4935					1960	00	19	45	013	37		01-01-1950	18.0	0.0	UNK	DUG				UNK	UNK	UNC				
092F.097.2.2.3	011	0000000022547	E						1958	00	19	45	014	37		01-07-1969	112.0	4.0	288	DRI				UNK	9	RED				
092F.097.2.2.3	012	0000000022546	B						1958	00	19	45	015	37		01-07-1969	123.0	0.0	288	DRI				UNK	4	RED			Y	
092F.097.2.2.3	013	0000000025947	13	1103						00	19	45	016	37		06-02-1972	72.0	4.0	108	DRI	2.0	GPM	UNK	6	RED					
092F.097.2.2.3	014	0000000019783		11872	3				1958	00	19	45	017	37		01-01-1966	42.0	4.0	035	DRI				15	0	RED				
092F.097.2.2.3	015	0000000025906		11872	3				1958	00	19	45	018	37		06-01-1972	35.0	4.0	108	DRI	5.0	GPM		4	4	RED				
092F.097.2.2.3	016	0000000031719		11872	1				1958	00	19	45	019	37		02-12-1974	110.0	4.0	108	DRI	2.0	GPM	28	4	RED					
092F.097.2.2.3	017	0000000026396	2	1103						00	19	45	020	37		01-04-1972	78.0	0.0	236	UNK	1.0	GPM	UNK	54	RED					
092F.097.2.2.3	018	0000000030640		6772	5				1958	00	19	45	021	37		01-04-1974	122.0	6.0	168	DRI	2.5	GPM	22	6	RED					
092F.097.2.2.3	019	0000000050725	H	19007	5				1958	00	19	45	023	37	SOUTHVIEW RD	29-07-1983	202.0	6.0	049	DRI	24.0	GPM	7	55	RED					
092F.097.2.2.3	020	0000000040263	5	17308					1958	00	19	45	024	37	N OF SOUTHVIEW RD	01-08-1978	272.0	0.0	135	UNK			UNK	46	RED					
092F.097.2.2.3	021	0000000049190	A	19007	5				1958	00	19	45	025	37	SOUTHVIEW RD	25-08-1981	241.0	6.0	049	DRI			25	UNK	UNC			Y		
092F.097.2.2.3	022	0000000043027	15	1103						00	19	45	026	37	VANDENMAADEN RD	01-08-1979	160.0	0.0	135	DRI	1.5	GPM	UNK	13	RED					
092F.097.2.2.3	023	0000000040282			1				1958	00	19	45	027	37	N OF SOUTHVIEW RD	01-08-1978	170.0	0.0	135	DRI	15.0	GPM	UNK	17	RED					
092F.097.2.2.3	024	0000000056884	A	12658					1959	00	00	00	000	37	SOUTHVIEW RD.	11-02-1987	325.0	0.0	135	DRI	25.0	GPM	UNK	60	RED					
092F.097.2.2.4	001	0000000070044	B	9888					4745	00	20	45	001	37		01-01-1950	13.0	0.0	UNK	DUG			UNK	UNK	UNC					
092F.097.2.2.4	002	0000000046966	C	19297					4747	00	20	45	007	37	WILDE RD	01-01-1981	175.0	0.0	135	UNK			UNK	0	RED					
092F.097.2.3.1	001	0000000029901	32	10935					5356	00	18	44	002	37		01-03-1974	48.0	4.0	168	UNK			UNK	UNK	UNC					
092F.097.2.3.1	002	0000000040758	2	12352					5353	00	17	44	002	37	EMMONDS RD	01-10-1978	223.0	0.0	135	DRI	2.0	GPM	UNK	49	RED					
092F.097.2.3.1	003	0000000033796		10687	4				5358	00	18	44	005	37		01-11-1975	77.0	4.0	108	DRI	90.0	GPM	13	7	RED					
092F.097.2.3.1	004	0000000040280	4	10687					5358	00	18	44	011	37	ATREVEDA RD	01-08-1978	150.0	0.0	135	DRI	1.5	GPM	UNK	10	RED					
092F.097.2.3.1	005	0000000041823	3	10687					5358	00	18	44	000	37	ATVIVCIELA RD	01-03-1979	150.0	4.0	099	DRI	0.5	GPM	0	60	RED					
092F.097.2.3.2	001	0000000026890	6	10687					5358	00	18	44	003	37	SOUTHVIEW	01-09-1972	88.0	0.0	234	UNK	3.0	GPM	30	4	RED					
092F.097.2.3.2	002	0000000033246	5	10687					5358	00	18	44	004	37	ADREVITA RD	20-08-1975	78.0	4.0	108	DRI	2.0	GPM	UNK	0	RED					
092F.097.2.3.2	003	0000000052277	1	17786					5730	00	18	44	006	37	ATREVIDA RD LUND HWY	09-06-1983	350.0	0.0	135	UNK	0.5	GPM	UNK	1	RED					
092F.097.2.3.2	004	0000000052424	6	10687					5358	00	18	44	007	37	ATREVIDA ROAD	06-07-1983	149.0	0.0	135	UNK	1.0	GPM	UNK	20	RED					
092F.097.2.3.2	005	0000000046968		862059					5729	00	18	44	008	37	ATREVIDA RD	01-01-1981	350.0	0.0	135	UNK	1.0	GPM	20	38	RED					
092F.097.2.3.2	006	0000000046967	A	10448					5730	00	18	44	009	37	ATREVIDA RD	01-01-1981	300.0	0.0	135	UNK	2.0	GPM	25	26	RED					
092F.097.2.3.2	007	0000000048281	A	10687					5358	00	18	44	010	37	ATRAVIDA RD	01-08-1978	225.0	0.0	135	DRI			UNK	12	RED					
092F.097.2.3.2	008	0000000047314	E	10887					5730	00	18	44	012	37	ATRAVIDA RD	01-03-1981	472.0	0.0	135	UNK			170	UNK	UNC					

DISCLAIMER: The Premises disclaim all responsibility for the accuracy of this information. This information should not be used as a basis for making financial or any other commitments.

1994/OCT/07 08:26

MINISTRY OF ENVIRONMENT, LANDS & PARKS

Water Rights Information System

Summary Report (with legal descriptions and old coordinates)

Operator Id BRILLSON

WELL4600 Production

BCGS Map Area	Well No.	Well Tag No.	Lot No.	Plan No.	Blk No.	TP	SC	RG	D.L.	I	X	Y	Old Well No.	L.D.	Site Address	Date Constructed (dmy)	Well Depth (ft.)	Well Diam. (in.)	Drill Contr No.	Const. Method	Well Yield	Yld. Unt.	Depth to Water (ft.)	Depth to Bedrk (ft.)	Aquif Litho	Screen Interval (ft.)	G.W. Rpt	Chem Lab	Chem Fld	Chem Site No.
																							20	0	RED					
092F.097.3.2.3	002	0000000045205	3	16446					1641	00	15	69	002	37	PRTOR RD	01-06-1980	175.0	0.0	135	DRI			3	4	RED					
092F.097.3.3.4	001	0000000014532	B	8585					1614	00	14	70	001	37		03-03-2955	40.0	0.0	108	DRI	3.0	GPM	4	7	RED					
092F.097.3.3.4	002	0000000033630		2832					4193	00	14	70	002	37	FINN BAY	05-10-1975	65.0	0.0	108	DRI	60.0	GPM	4	7	RED					
092F.097.3.3.4	003	0000000052495	E	16322					1614	00	14	70	003	37	BAGGIE RD	20-07-1983	100.0	0.0	135	UNK	2.0	GPM	UNK	1	RED					
092F.097.3.3.4	004	0000000040264		19216	6				1619	00	14	70	004	37	BAGGI RD	01-08-1978	200.0	0.0	135	DRI	1.0	GPM	UNK	2	RED					
092F.097.3.3.4	005	0000000051072	A	4365					1615	00	14	70	005	37	BAGGI ROAD	25-09-1982	147.0	0.0	135	UNK	17.0	GPM	4	0	RED					
092F.097.3.3.4	006	0000000053972							2747	00	15	69	001	37		29-07-1969	135.0	0.0	076	DRI	1.5	GPM	UNK	5	RED					
092F.097.3.4.1	001	0000000023623							3920	00	14	70	001	37	OKEOVER ARM	10-08-1983	380.0	0.0	135	UNK	3.0	GPM	UNK	5	RED					
092F.097.3.4.4	001	0000000052583	4	15445					3920	00	14	70	002	37	MALASPINA RD	16-04-1982	115.0	4.0	138	DRI	2.0	GPM	17	11	RED					
092F.097.3.4.4	002	0000000060146	2	15445					3920	00	14	70	003	37	CROWTHER ROAD	01-08-1984	400.0	4.0	039	DRI	3.0	GPM	30	30	RED					
092F.097.3.4.4	003	0000000053644	7	9998					4324	00	14	70	004	37	CRAIG ROAD	29-06-1983	145.0	0.0	135	UNK	3.0	GPM	UNK	0	RED					
092F.097.3.4.4	004	0000000053381		20048					3148	00	17	67	003	37	CRAIG RD	01-08-1978	245.0	0.0	135	DRI	2.0	GPM	UNK	0	RED					
092F.097.4.1.1	001	0000000046237							3447	00	00	00	000	37		08-07-1967	140.0	0.0	135	DRI	3.5	GPM	UNK	7	RED					
092F.097.4.1.1	002	0000000057265							3349	00	00	00	000	37	8637 CRAIG RD.	18-07-1967	275.0	0.0	135	DRI	0.5	GPM	UNK	0	RED					
092F.097.4.1.1	003	0000000057274	B	39832					3134	00	00	00	000	37	8554 CRAIG RD.	27-05-1982	120.0	4.0	135	UNK	4.0	GPM	UNK	40	RED					
092F.097.4.1.1	004	0000000057276							4317	00	18	67	003	37																0
092F.097.4.1.2	001	0000000060324																												

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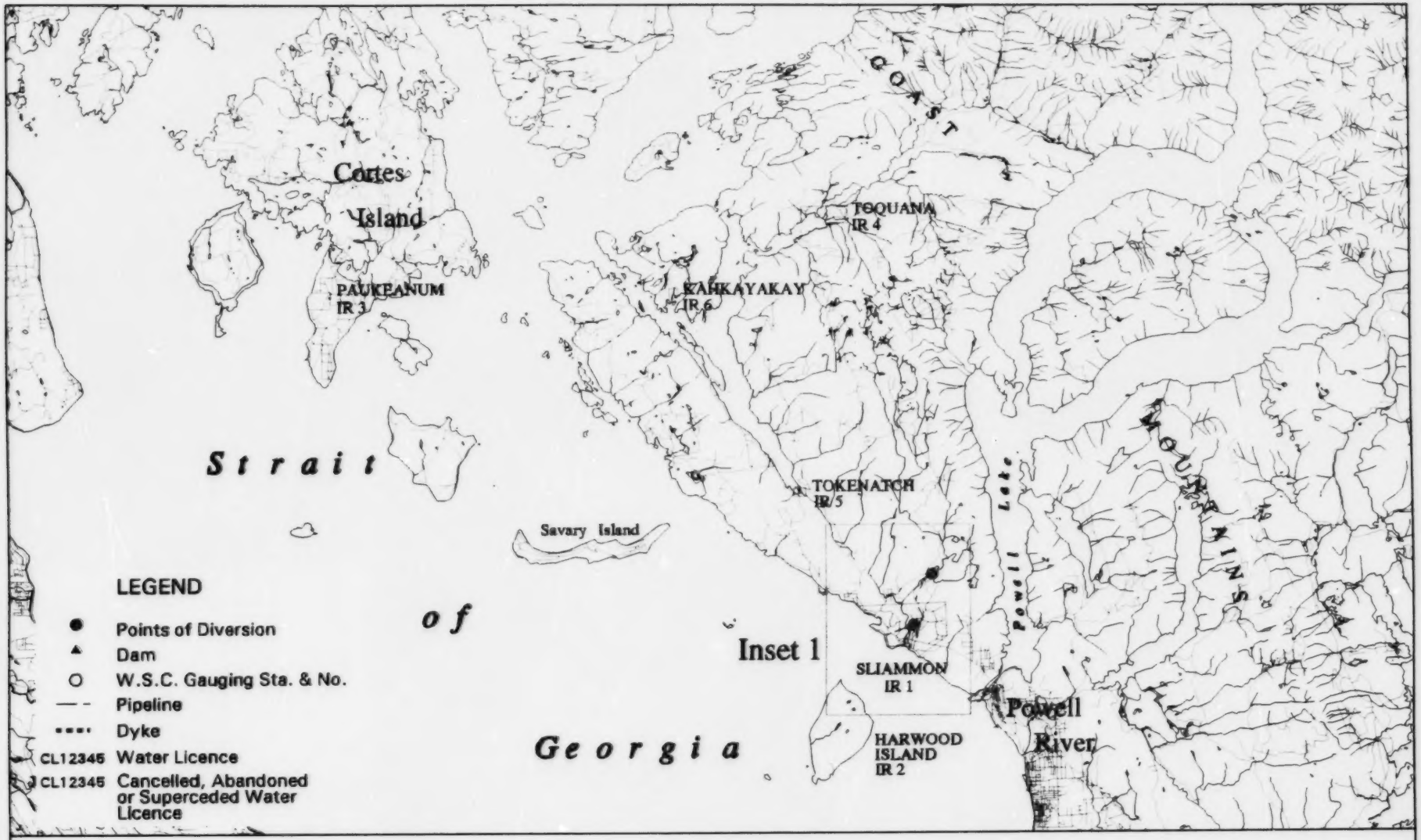

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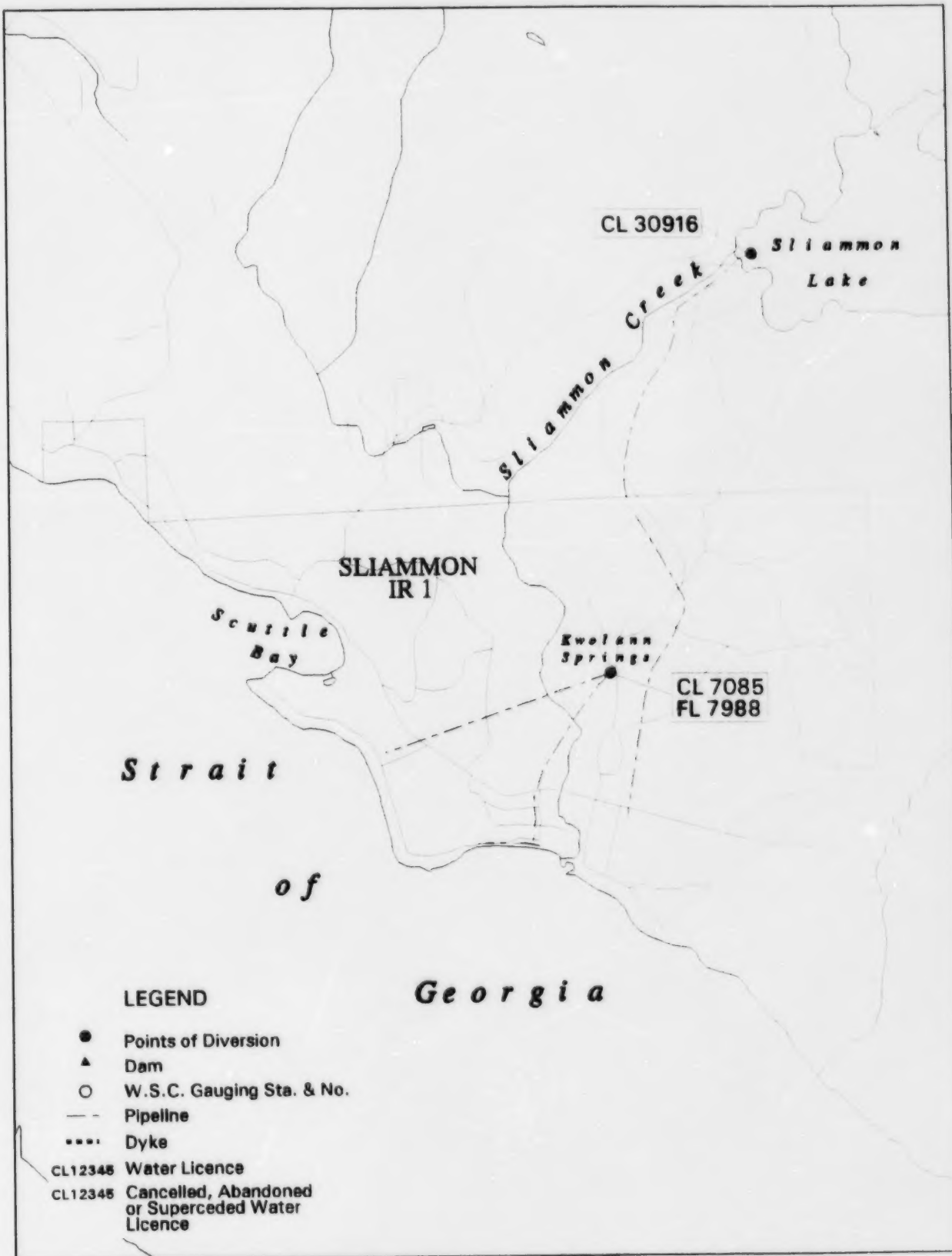
Ministry of Environment, Lands & Parks

Date: February 10, 2000

Environment & Lands Division



Kwolann Springs

Scale 1:30,000

Ministry of Environment, Lands & Parks

Date: February 10, 2000

Environment & Lands Division